

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LB28 115545 - Middle Swing Drive

Sample No: LH0256544

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0256544	---	---	---
Sample Date	28 Feb 2024	---	---	---
Machine Hours	6134	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Zancon Holdings Inc.
 415 Warren Road
 King City, ON
 CA L7B 1C4
 Contact: Frank Provenzano
 fprovenzano@zanconenv.com
 T: (416)990-4582
 F:



OIL CONDITION

Visc @ 40°C	cSt	186	---	---	---
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Water	%	0.354	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	1	---	---	---



WEAR METALS

Iron	ppm	159	---	---	---
Copper	ppm	54	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	18	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	28	---	---	---
Phosphorus	ppm	1141	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

Depot: ZANKIN
Unique No: 5736130
Signed: Kevin Marson
Report Date: 01 Mar 2024



GRAPHS

